# BigQuery - Console

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# Concept

Google Big Query is an enterprise data warehouse
that solves this problem by enabling super-fast SQL queries
using the processing power of Google's infrastructure.

The BigQuery console provides an interface to query tables,
including public datasets offered by BigQuery.

I can run accesses a table from a public dataset that Big Query provides.

# How to use

**Activate Google Cloud Shell**

> gcloud auth list
> gcloud config list project

# How to use

**Query a public dataset**

> gcloud auth list
> gcloud config list project

# How to use

**On BigQuery...**

New Query>>

#standardSQL SELECT weight_pounds, state, year, gestation_weeks FROM `bigquery-public-data.samples.natality` ORDER BY weight_pounds DESC LIMIT 10;

# How to use

**Create a dataset on Account**

Babynames (Dataset ID) – Create dataset

**Add custom data (Use unzip)**

> gsutil cp gs://spls/gsp072/baby-names.zip .
> unzip baby-names.zip

# How to use

**Add custom data (Use unzip)**

Storage - Browser - Create bucket (Give Unique name)

> gsutil cp yob2014.txt gs://<your_bucket>

[yob2014] : Example File
<your_bucket: Unique name>

# How to use

**Load the data into a new table**

On Project – Create table

➢name:string,gender:string,count:integer

Select file from GCS bucket
(gs://buck1011/yobw014.txt, file format:CSV)

! And I can see Table !

# How to  use

## Query a custom dataset

```
#standardSQL
SELECT name, count
FROM `babynames.names_2014`
WHERE gender = 'M'
ORDER BY count DESC LIMIT 5;
```